## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

#### LISTING OF CLAIMS:

- 1. (original): An integrally cast steel piston for internal engines.
- 2. (original): The internal engine piston according to claim 1, whose head portion, pin boss portion and skirt portion are integrally cast.
- 3. (original): The internal engine piston according to claim 2, wherein it further comprises a cooling hollow portion, which is formed by integral casting.
- 4. (original): The internal engine piston according to claim 3, wherein it is a diesel engine piston comprising a combustion chamber in a head portion, and wherein it further comprises a cooling hollow portion, which is formed near said combustion chamber by integral casting.
- 5. (original): An integrally cast steel piston for internal engines, said cast steel having a composition comprising, by mass, 0.8% or less of C, 3% or less of Si, 3% or less of Mn, 0.2% or less of S, 3% or less of Ni, 6% or less of Cr, 6% or less of Cu, and 0.01-3% of Nb, the balance being substantially Fe and inevitable impurities.

- 6. (original): The internal engine piston according to claim 5, wherein said cast steel has a composition comprising, by mass, 0.1-0.55% of C, 0.2-2% of Si, 0.3-3% of Mn, more than 0.005% and 0.2% or less of S, 1% or less of Ni, 3% or less of Cr, 1-4% of Cu, and 0.1-3% of Nb, the balance being substantially Fe and inevitable impurities.
- 7. (original): An integrally cast steel piston for internal engines, said cast steel having a composition comprising, by mass, 0.1-0.8% of C, 3% or less of Si, 3% or less of Mn, 0.2% or less of S, 10% or less of Ni, 30% or less of Cr, 6% or less of Cu, and 0.05-8% of Nb, the balance being substantially Fe and inevitable impurities.
- 8. (original): The internal engine piston according to claim 7, wherein said cast steel has a composition comprising, by mass, 0.1-0.55% of C, 0.2-2% of Si, 0.3-3% of Mn, 0.05-0.2% of S, 0.5-6% of Ni, 6-20% of Cr, 1-4% of Cu, and 0.2-5% of Nb, the balance being substantially Fe and inevitable impurities.
- 9. (currently amended): The internal engine piston according to claim 7-or-8, wherein said cast steel comprises C, Ni and Nb in a range of  $0.05 < (C\% + 0.15 \text{ Ni}\% 0.12 \text{ Nb}\%) \le 0.8 \text{ by mass}$ .
- 10. The internal engine piston according to <u>claim 7 any one of claims 7.9</u>, wherein said cast steel has a matrix microstructure, less than 30% of which is an austenite phase.

- 11. (currently amended): The internal engine piston according to <u>claim 5</u> any one of elaims 5-10, wherein said cast steel further comprises 0.5% by mass or less of V<sup>o</sup>and/or Ti.
- 12. (currently amended): The internal engine piston according to <u>claim 5</u> any one of elaims 5-11, wherein said cast steel further comprises at least one of Al, Mg and Ca in an amount of 0.04% by mass or less.
- 13. (original): An integrally cast steel piston for internal engines, said cast steel having a microstructure having eutectic carbides at an area ratio of 1-35%, said eutectic carbides forming eutectic colonies, which are assemblies of eutectic carbides and said matrix phase.
- 14. (original): The internal engine piston according to claim 13, wherein said eutectic carbides have an average equivalent-circle diameter of 3 μm or less.
- 15. (currently amended): The internal engine piston according to claim 13-or-14, wherein the number of eutectic colonies each having an area of 50  $\mu m^2$  or more is 10 or more in a 1-mm<sup>2</sup>-cross section of the microstructure.
- 16. (currently amended): The internal engine piston according to <u>claim 13</u> any one of <u>claims 13-15</u>, wherein said eutectic carbides include Nb carbides.

- 17. (original): An integrally cast steel piston for internal engines, wherein an area ratio of sulfides is 0.2-3.0% in a cast steel microstructure, and wherein a ratio of the number of sulfides each having a circularity of 0.7 or more to the total number of sulfides is 70% or more.
- 18. (original): The internal engine piston according to claim 17, wherein said sulfide contains Mn and/or Cr.
- 19. (currently amended): The internal engine piston according to <u>claim 5</u>-any one of elaims 5-18, wherein said cast steel has a 0.2-% yield strength of 350 MPa or more and a Young's modulus of 140 GPa or more in a range of 350°C to 500°C, and an average linear thermal expansion coefficient of 10-16 x 10<sup>-6</sup>/°C between room temperature and 500°C.
- 20. (currently amended): A method for producing an integrally cast steel piston for internal engines, said cast steel having a composition comprising, by mass, 0.8% or less of C, 3% or less of Si, 3% or less of Mn, 0.2% or less of S, 3% or less of Ni, 6% or less of Cr, 6% or less of Cu, and 0.01-3% of Nb, the balance being substantially Fe and inevitable impurities, the internal engine piston recited in claim 5 or 6, said method comprising casting said steel, holding it at 850°C or higher, and then air-cooling it.
- 21. (currently amended): The method for producing an internal engine piston according to claim 20 any one of claims 7-10, wherein said cast steel is cast, held at 450°C or higher, and then air-cooled.

22. (original): The method for producing an internal engine piston according to claim 21, wherein said cast steel is held at 1000°C or higher after casting, rapidly cooled, held at 450°C or higher, and then air-cooled.